PLOT DATE: 6/9/2014 PLOTTED BY: pgirvan
FILE NAME: K:\07306.16 Vertical Transportation Phase 3_CADD\S0.0.1 STRUCTURAL GENERAL NOTES.dwg
PEN TABLE: G:\0730602_04-00-PROJ_DATA\data\TCUP.pen 9:56AM

EXISTING CONDITIONS:

1. WHERE EXISTING CONDITIONS ARE SHOWN, THEY HAVE BEEN DERIVED FROM AVAILABLE DRAWINGS AND REPRESENT THE ARCHITECT'S/ENGINEER'S BEST ESTIMATE OF ACTUAL CONDITIONS. DEPICTED EXISTING CONDITIONS MAY NOT IN ALL CASES BE CORROBORATED BY FIELD INVESTIGATION.
2. ALL DIMENSIONS AND DETAILS OF EXISTING WORK INDICATED ON THE DRAWINGS SHALL BE FIELD MEASURED AND VERIFIED BEFORE PROCEEDING. FIELD CHECKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IMMEDIATELY REPORT ANY DISCREPANCIES TO THE ENGINEER.

DRILLED IN ANCHORS:

1. EXPANSION ANCHORS SHALL DEVELOP THE FOLLOWING ALLOWABLE STRENGTHS AFTER ADJUSTING FOR SPACING AND EDGE DISTANCE:
   SHEAR = 2,500 LBS AND TENSION = 2,000
2. INSTALLATION TO MEET THE REQUIREMENTS IN THISE CONSTRUCTION DOCUMENTS, REFERENCED CODES AND MANUFACTURERS RECOMMENDATIONS.
3. LOCATE EXISTING REINFORCEMENT AND EMBEDDED CONDUIT WITH A PACHOMETER OR OTHER NON-DESTRUCTIVE TESTING METHODS PRIOR TO DRILLING BOLT HOLES.
4. DO NOT PLACE ANY POST-INSTALLED ANCHORS WITHIN 6" OF AN EXPANSION JOINT, CONCRETE SPALL OR EXISTING POST-INSTALLED ANCHOR OR DRILLED HOLES IN CONCRETE.

QUALITY/CONTROL, TESTING AND INSPECTIONS:

1. QUALITY CONTROL SUBMITTALS SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. QUALITY CONTROL INSPECTIONS AND MATERIAL TESTING SHALL BE PROVIDED BY A TESTING AGENCY ENGAGED BY THE ARCHITECT IN ACCORDANCE WITH THE SPECIFICATIONS.
3. SPECIAL INSPECTION:
   THE FOLLOWING ITEMS OF STRUCTURAL CONSTRUCTION REQUIRE SPECIAL INSPECTION BY THE OWNER'S SPECIAL INSPECTOR, IN ACCORDANCE WITH THE BUILDING CODE:
   - EXPANSION ANCHORS
   - STEEL CONNECTIONS

GENERAL NOTES:

1. ANY REFERENCE TO A CODE OR STANDARD SHALL BE UNDERSTOOD TO REFER TO THAT CODE OR STANDARD AND DATE LISTED IN THE REFERENCE STANDARDS.
2. ALL CONSTRUCTION AND DESIGN SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING: INTERNATIONAL BUILDING CODE, 2012 WITH LATEST STATE OF GEORGIA ADMENDMENTS.
3. CONTRACTOR SHALL COORDINATE THE LOCATION OF DEPRESSED SLABS, FLOOR DRAIN SLOPES AND EQUIPMENT PADS PRIOR TO PLACING CONCRETE.
4. CONTRACTOR SHALL COORDINATE THE LOCATION OF MECHANICAL UNITS, ELECTRICAL FIXTURES, MECHANICAL DUCTS, DRAINS, PLUMBING EQUIPMENT AND PIPING, ETC., INCLUDING ELEVATORS AND ESCALATORS WITH ALL TRADES AFFECTED AND EQUIPMENT PURCHASED PRIOR TO PROCEEDING WITH STRUCTURAL WORK, MODIFICATIONS OR CHANGES AS A RESULT OF THIS COORDINATION SHALL BE CLEARLY DETAILED, NOTED AND SUBMITTED WITH SHOP DRAWINGS FOR REVIEW BY THE ARCHITECT.
5. ABBREVIATIONS:

@	–	AT
ø	–	DIAMETER
#	–	NUMBER
&	–	AND
ADD'L	–	ADDITIONAL
A.F.F.	–	ABOVE FINISHED FLOOR
ALT	–	ALTERNATE
ARCH	–	ARCHITECTURAL
BM	–	BEAM
BOT	–	BOTTOM
C.C.	–	CENTER TO CENTER
C.I.P.	–	CAST IN PLACE
C.J.	–	CONSTRUCTION JOINT
℄	–	CENTER LINE
CLR	–	CLEAR
COL	–	COLUMN
CONC	–	CONCRETE
CONT	–	CONTINUOUS OR CONTINUATION
D.B.A.	–	DEFORMED BAR ANCHOR
DIA	–	DIAMETER
do	–	DITTO
DWG.(S)	–	DRAWING OR DRAWINGS
(E)	–	EXISTING CONDITIONS
E.E.	–	EACH END
EL	–	ELEVATION
EQ	–	EQUAL
E.W.	–	EACH WAY
EXP	–	EXPANSION
EXT	–	EXTERIOR
F.S.	–	FAR SIDE
F.V.	–	FIELD VERIFY
GALV	–	GALVANIZED
H.C.A.	–	HEADED CONCRETE ANCHOR
HK	–	HOOK
HORIZ	–	HORIZONTAL
H.P.	–	HIGH POINT
H.S.	–	HEADED STUD
H.W.S.	–	HEADED WELDED STUD
INFO	–	INFORMATION
INT	–	INTERIOR
L	–	ANGLE
L.L.H.	–	LONG LEG HORIZONTAL
L.L.V.	–	LONG LEG VERTICAL
L.P.	–	LOW POINT
MAX	–	MAXIMUM
MIN	–	MINIMUM
N.I.C.	–	NOT IN CONTRACT
NO.	–	NUMBER
N.S.	–	NEAR SIDE
N.T.S.	–	NOT TO SCALE
O.C.	–	ON CENTER
O.H.	–	OPPOSITE HAND
P.C.F.	–	POUNDS PER CUBIC FOOT
P.J.F.	–	PREMOLDED JOINT FILLER
PL	–	PLATE
PLBG	–	PLUMBING
PSI	–	POUNDS PER SQUARE INCH
PSF	–	POUNDS PER SQUARE FOOT
REINF	–	REINFORCE OR REINFORCEMENT
SF	–	SQUARE FOOT
SIM	–	SIMILAR
SPA	–	SPACE OR SPACED
STD	–	STANDARD
T/	–	TOP OF
T/F	–	TOP OF FOOTING
T/W	–	TOP OF WALL
TYP	–	TYPICAL
U.N.O.	–	UNLESS NOTED OTHERWISE
VERT	–	VERTICAL
W/	–	WITH

STEEL NOTES:

1. ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS – ALLOWABLE STRESS DESIGN OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), 14TH EDITION.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36, U.N.O.
3. WHERE FILLET WELDS ARE SHOWN, BUT NOT SIZED, MINIMUM SIZE OF FILLET WELDS CONFORMING TO THE AISC SPECIFICATIONS SHALL BE USED.
4. MATERIAL FOR NUTS AND WASHERS SHALL BE COMPATIBLE FOR BOLTS.
5. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE – STEEL OF THE AMERICAN WELDING SOCIETY, AWS D1.1.
6. ALL STRUCTURAL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE B (Fy= 46 KSI). ALL STRUCTURAL PIPE SECTIONS SHALL CONFORM TO A53, TYPE E OR S, GRADE B. THREADED RODS SHALL BE ASTM A307 OR ASTM F1554, GRADE 36, UNLESS NOTED OTHERWISE.
7. ALL BOLTS FOR STRUCTURAL CONNECTIONS SHALL BE HIGH STRENGTH ASTM A325, UNLESS NOTED OTHERWISE.

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SEAL

PHASE 3 VERTICAL TRANSPORTATION

HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT

NO.	DATE	BY	REVISION

STRUCTURAL GENERAL NOTES

WBS NUMBER: H.03.90.202	DRAWN BY: G. RIDDLE
FC NUMBER: 6006007929	DESIGNED BY: P. GIRVAN
CONSULTANT PROJECT NUMBER: 07306.16	CHECKED BY: M. ROMETO
REFERENCE NUMBER	APPROVED BY: P. GIRVAN
	DATE: 06.11.2014
	SCALE: NONE
	SHEET NO: S0.0.1

PHASE 3 VERTICAL TRANSPORTATION, ISSUED FOR CONSTRUCTION, JUNE 11, 2014

RELEASED FOR CONSTRUCTION

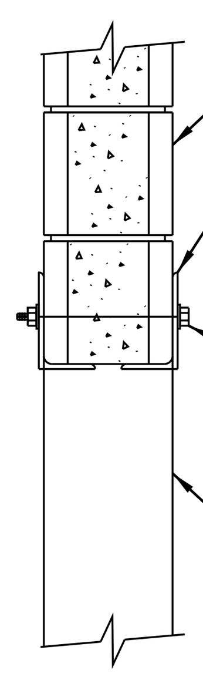
PLOT DATE: 6/9/2014 PLOTTED BY: pgirvan
FILE NAME: K:\07306.16 Vertical Transportation Phase 3_CADD\S5.0.1 STRUCTURAL SECTIONS AND DETAILS
PEN TABLE: G:\0730602_04-00-PROJ_DATA\data\TCUP.pen 9:56AM

STEEL LINTEL SCHEDULE

SPAN	FOR EACH 4" OF WALL THICKNESS
UP TO 2'-0"	1 - PL 3/8 x3 1/2 (FLAT)
2'-1" TO 5'-0"	1 - L3 1/2 x3 1/2 x 5 5/16
5'-1" TO 6'-0"	1 - L4x3 1/2 x 5/16 (L.L.V.)
6'-1" TO 7'-0"	1 - L5x3 1/2 x 5/16 (L.L.V.)
7'-1" TO 8'-0"	1 - L5x3 1/2 x 3/8 (L.L.V.)
8'-1" TO 9'-0"	1 - L6x3 1/2 x 3/8 (L.L.V.)

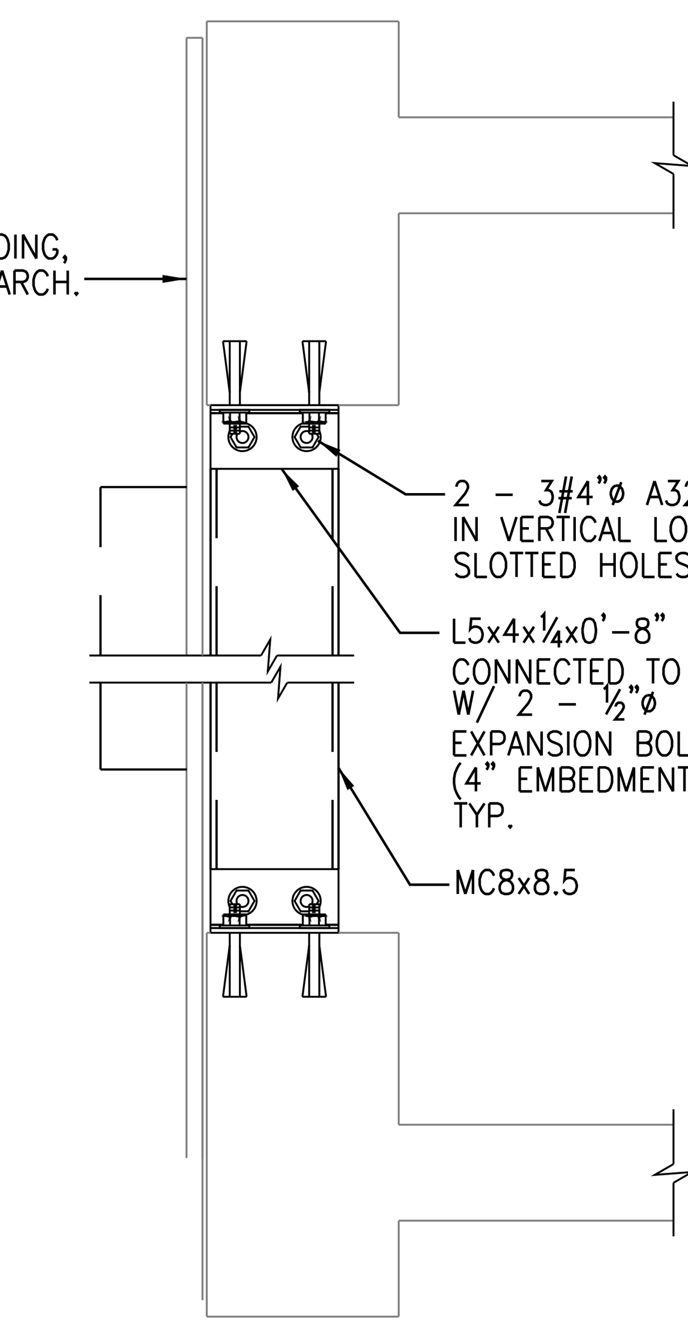
NOTES:
1. END BEARING AT EACH OF STEEL LINTELS SHALL BE ONE INCH PER FOOT OF SPAN, BUT NOT LESS THAN 8" ON FULLY GROUTED CMU CELLS REINF. W/ 1 #5.
2. ALL ANGLES IN EXTERIOR WALLS SHALL BE GALVANIZED.

3 / S5.0.1 LINTEL SCHEDULE



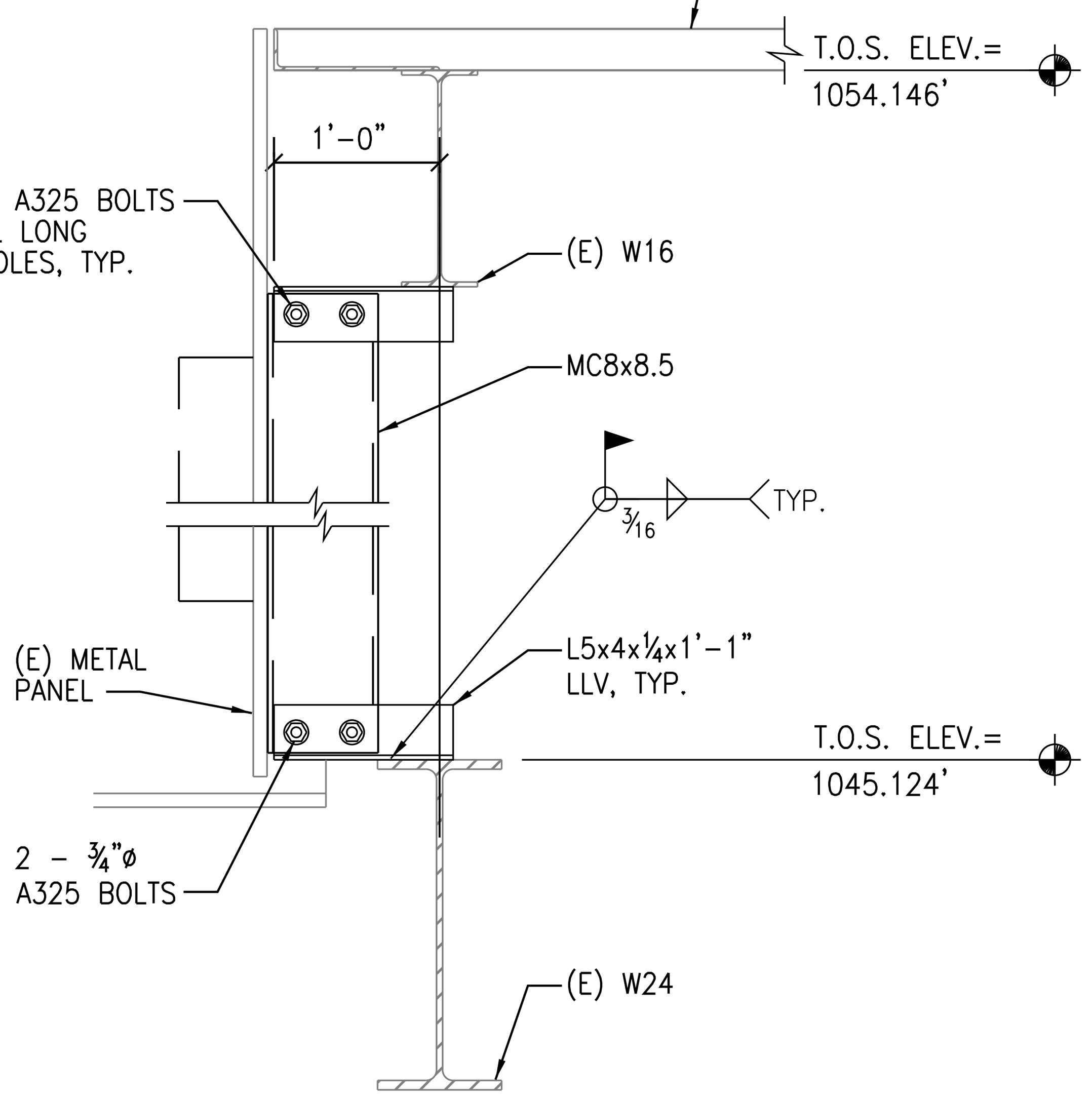
NOTES:
1. SAW CUT 1/2 THICKNESS OF BLOCK WALL ON 1 FACE AT LOCATION OF NEW LINTEL INCLUDING 8" MIN. BEARING.
2. INSTALL STEEL ANGLE IN SAW CUT GROOVE.
3. SAW CUT OPPOSITE FACE OF WALL AT LOCATION OF NEW LINTEL, INCLUDING 8" MIN. BEARING.
4. INSTALL SECOND STEEL ANGLE LINTEL IN SAW CUT GROOVES.
5. BRACE LINTELS.
6. PRE DRILL HOLES FOR THRU BOLTS.
7. INSTALL THRU BOLTS.
8. SAW CUT REMAINDER OF OPENING IN CMU WALL.

4 / S5.0.1 LINTEL IN EXISTING WALL



2 / S5.0.1 SECTION
SCALE: 1" = 1'-0"

NOTE:
LOCATE REINFORCEMENT AND EXISTING ANCHORS IN EXISTING CONCRETE BEAMS WITH A PACHOMETER PRIOR TO DRILLING. DO NOT DAMAGE EXISTING REINFORCEMENT.



1 / S5.0.1 SECTION
SCALE: 1" = 1'-0"

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PHASE 3 VERTICAL TRANSPORTATION

HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT

NO.	DATE	BY	REVISION

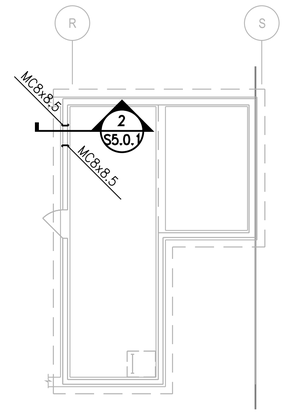
STRUCTURAL SECTIONS AND DETAILS

WBS NUMBER: H.03.90.202	DRAWN BY: G. RIDDLE
FC NUMBER: 6006007929	DESIGNED BY: P. GIRVAN
CONSULTANT PROJECT NUMBER: 07306.16	CHECKED BY: M. ROMETO
REFERENCE NUMBER	APPROVED BY: P. GIRVAN
	DATE: 06.11.2014
	SCALE: AS INDICATED
	SHEET NO: S5.0.1

PHASE 3 VERTICAL TRANSPORTATION, ISSUED FOR CONSTRUCTION, JUNE 11, 2014

RELEASED FOR CONSTRUCTION

PLOT DATE: 6/9/2014 PLOTTED BY: rdyson
FILE NAME: K:\07306.16 Vertical Transportation Phase 3_CADD\SD4.2.1 ROOF LEVEL ENLARGE ELEVATOR ST
PEN TABLE: G:\07306\03_04-00-PROJ_DATA\Atlas\TOUP.pen 9:56AM



1 SD4.2.1

PARTIAL STRUCTURAL FLOOR PLAN (D1) (D2 SIMILAR)

SCALE: 1/8" = 1'-0"

ROOF LEVEL

NOTE:
COORDINATE LOCATION OF STEEL CHANNELS WITH SPLIT SYSTEM AIR CONDITIONER.

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CONCOURSE 'D'
ROOF LEVEL PARTIAL
FLOOR PLAN

WBS NUMBER: H.03.90.202	DRAWN BY: C. SIMMONS
FC NUMBER: 6006007929	DESIGNED BY: p. GIRVAN
CONSULTANT PROJECT NUMBER: 07306.16	CHECKED BY: M. ROMETO
REFERENCE NUMBER: ELEVATOR D1	APPROVED BY: P. GIRVAN
	DATE: 06.11.2014
	SCALE: 1/8" = 1'-0"
	SHEET NO: SD4.2.1

PHASE 3 VERTICAL TRANSPORTATION, ISSUED FOR CONSTRUCTION, JUNE 11, 2014

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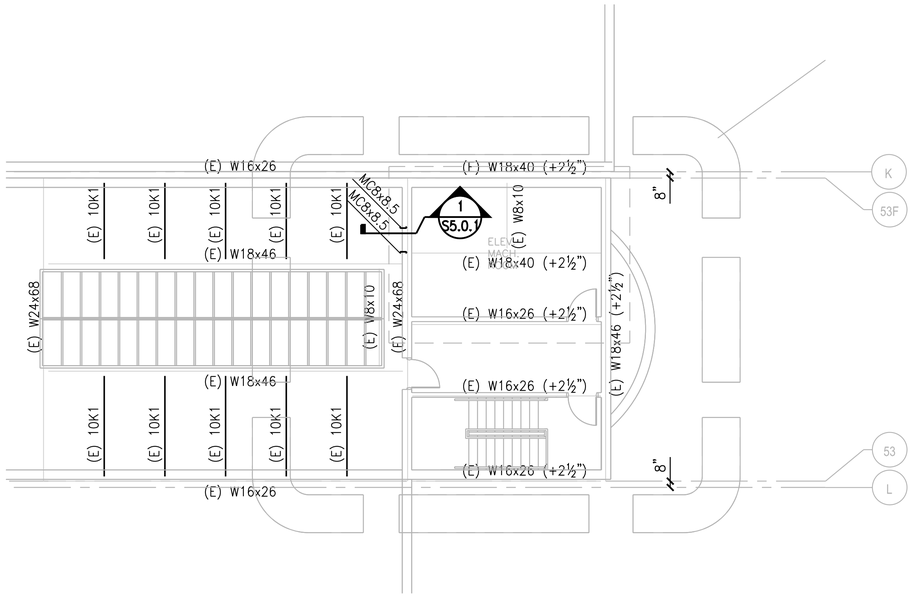
K:\07306.16 Vertical Transportation Phase 3_CADD\SD4.2.1 ROOF LEVEL ENLARGE ELEVATOR STRUCT PLAN D1.dwg

PLOT DATE: 6/9/2014 PLOTTED BY: rdyhen
FILE NAME: K:\07306.16 Vertical Transportation Phase 3_CADD\ST4.2.1 ROOF LEVEL ENLARGE ELEVATOR ST
PEN TABLE: G:\07306\00_04-00-PROJ_DATA\AtlantaTCUP.pen 9:56AM



PARTIAL STRUCTURAL FRAMING PLAN ROOF LEVEL (TCON12 & TCON13)

1 / ST4.2.1

SCALE: 1/8" = 1'-0"

ROOF LEVEL

NOTE:
COORDINATE LOCATION OF STEEL CHANNELS WITH SPLIT SYSTEM AIR CONDITIONER.

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CONCOURSE T
ROOF LEVEL
STRUCTURAL
PART PLAN

WBS NUMBER: H.03.90.202	DRAWN BY: G. RIDDLE
FC NUMBER: 6006007929	DESIGNED BY: P. GIRVAN
CONSULTANT PROJECT NUMBER: 07306.16	CHECKED BY: M. ROMETO
REFERENCE NUMBER: TCON12 TCON13	APPROVED BY: P. GIRVAN
	DATE: 06.11.2014
	SCALE: 1/8"=1'-0"
	SHEET NO: ST4.2.1

PHASE 3 VERTICAL TRANSPORTATION, ISSUED FOR CONSTRUCTION, JUNE 11, 2014

RELEASED FOR CONSTRUCTION